

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit: 2826

Examiner: Mr. Benjamin P. Sandvik

In re PATENT APPLICATION of:

Applicant : Kazutaka SHIBATA)
Serial No. : 10/795,994)
Filed : March 10, 2004)
For : SEMICONDUCTOR DEVICE)
AND METHOD FOR)
MANUFACTURING THE)
SAME)
Attorney Ref. : KAW 110D1)

**INFORMATION
DISCLOSURE
STATEMENT**

September 28, 2006

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

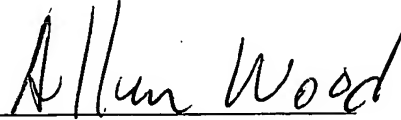
This is an Information Disclosure Statement submitted under 37 CFR 1.97-1.98, within the time specified in 37 CFR 1.97(c).

A Form PTO/SB/08 and copies of the references listed therein are attached. These references were cited in a search report on a European patent application corresponding to the above-identified US application, and a copy of the European search report is attached. All of the references are written in the English language except DE 195 31 158, and a machine-generated English translation of the Abstract of this reference is attached to provide information about the relevance of the reference.

The European search report is dated July 31, 2006. Accordingly, it is hereby certified, pursuant to 37 CFR 1.97 (e)(1), that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application no more than three month prior to the filing of this Information Disclosure Statement.

In view of the foregoing, it is respectfully requested that the references be considered and made of record.

Respectfully submitted,

A handwritten signature in cursive script that reads "Allen Wood". The signature is written in dark ink and is positioned above a horizontal line.

Allen Wood - Reg. No. 28,134

RABIN & BERDO, P.C.

CUSTOMER NO. 23995

Telephone: (202) 371-8976

Telefax: (202) 408-0924

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

Complete if Known

Application Number	10/795,994
Filing Date	March 10, 2004
First Named Inventor	Kazutaka SHIBATA
Art Unit	2826
Examiner Name	Benjamin P. Sandvik
Attorney Docket Number	KAW 110D1

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

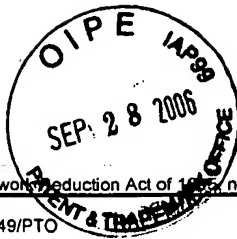
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	3	DE 195 31 158	02/27/1997	Jürgen Wilde et al.		✓
	4	EP 0 662 837	11/02/1994	Kazuhiko Kurata		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (09-06)

Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/795,994
Filing Date	March 10, 2004
First Named Inventor	Kazutaka SHIBATA
Art Unit	2826
Examiner Name	Benjamin P. Sandvik
Attorney Docket Number	KAW 110D1

Sheet 2 of 2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	5	DEBABRATA 'DEV' GUPTA, "Evaluation of Alternative Process for Au-Sn-Au Flip Chip Bonding of Power Devices", The International Journal of Microcurcuits and Electronic	
		Packaging, Vol. 19, No. 3, 1996 (ISSN 1063-1674), XP 000639489, US, pages 245-252	
	6	CHRISTINE KALLMAYER et al., "Fluxless Flip-Chip Attachment Techniques Using the Au/Sn Metallurgy", IEEE/CPMT	
		Int'l Electronics Manufacturing Technology Symposium, 0-7803-2037- 9/95, Germany, pages 20-28	
	7	Patent Abstract of Japan Summary for publication 09-102514, published April 15, 1997	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.